

All stainless steel gas actuated thermometer

Model GTS

Nominal size 100 mm, 115mm or 150 mm

Accuracy: Class 1 (1%)

Features

- Rugged stainless steel construction
- Fast response
- Protection IP65
- High repeatability and small hysteresis
- Dry or liquid filled
- Rigid stem or bulb with capillary

Ranges

-50 ... 50 °C up to 0 ... 400 °C

-60 ... 120 °F up to 50 ... 750 °F

Applications

Chemical and petrochemical industry

Machine and apparatus construction

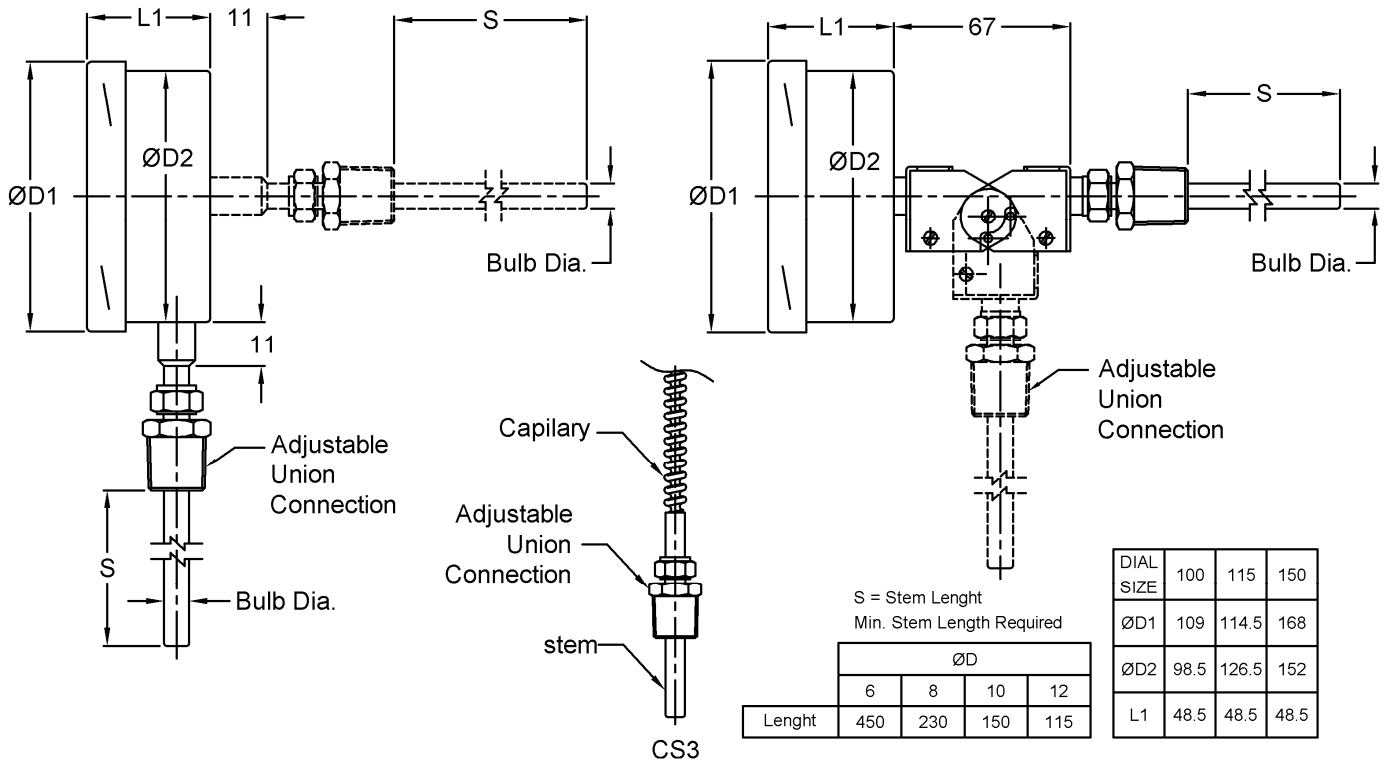
Food and beverage industry

Pulp and paper industry



Technical specification	Rigid stem			With capillary		
	100	115	150	100	115	150
Dial size in mm	100	115	150	100	115	150
Construction	Cylindrical case with bayonet ring					
Measuring principle	Inert gas actuated					
Range in °C	0/60 0/80 0/100 0/120 0/160 0/200 0/250 0/300 0/400 -10/50 -10/110 -20/40 -20/100 -20/120 -20/180 -30/50 -30/70 -30/170 -40/40 -40/60 -40/160 -50/50					
Over temperature limit	Ranges in °F and dual scales on request Max. 130 % F.S.					
Stem or bulb diameter	6 mm, 8 mm, 10 mm, 12mm, others on request					
Lengths	100 ... 4000 mm, other length on request, min. length depends on bulb diameter					
Capillary length	N.A.			Max. 30 m		
Process connection	Plain 1/4" 3/4" 1" BSP / NPT (M), M20x1.5, M24x1.5, M27x2 Fixed, adjustable or with swivel nut					
Connection location	Back, lower, knee joint bendable (180°), knee joint bendable (360°)					
Material	Connection Stainless steel 316 Stem Stainless steel 316L Case/ring Stainless steel 304 , optional 316L			Window Instrument glass, optional laminated safety glass Dial Aluminum, black markings on white background Pointer Aluminum, black, optional micrometer pointer others on request Movement Stainless steel 304		
Accuracy	Class 1					
Protection	IP65					
Filling liquids	Silicone					
Weight dry/filled in kg						
Accessories, options	Thermowells, dual scales, magnet spring- or inductive contacts, calibration certification					

General dimensions in mm



Order information

Size	Bulb diameter	Length of bulb/stem	Length of capillary	Process connection	Connection size	Connection orientation	Range	Engineering units	Options
(100) 100 mm	(06) 6 mm	115 to 4000 mm	(R) Rigid stem	(T) Turning nut	(50) 1/2" BSP	(L) Lower	0/ 60 0/ 80 0/100	°C	(NH) Tagging wired
(115) 115mm	(08) 8 mm		(A) Capillary SS armored ¹⁾	(CS3) Adjustable union connection sliding on stem	(75) 3/4" BSP	(B) Back	0/120 0/160 0/200		(DA) Dial marking
(150) 150mm	(10) 10 mm		(P) Capillary SS armored with PVC covering ¹⁾		(10) 1" BSP	(E1) Every angle	0/250 0/300 0/400		(CS) Dual scale
	(64) 1/4"				(50N) 1/2" NPT		-10/ 50 -10/110		(SG) Safety glass
	(96) 3/8"				(75N) 3/4" NPT		-20/ 40 -20/100		(MP) Micro pointer
					(10N) 1" NPT		-20/120 -20/180		(FX) Front panel
					(M20) M20x1.5		-30/ 50 -30/ 70		(FW) Surface plate
					(M32) M32x2		-40/ 40 -40/ 60		(UF) U-clamp
							-40/160 -50/ 50		(TM) 2" pipe mounting bracket
									(EC) Contact type and function (see EC.1)
									(GV) Silicon (max. up to 300°C)
	others on request		1) Max length 30m, specify length in m EG. A1.5 =A with 1.5m	others on request	others on request			°F and dual scale on request	other options on request

2) Minimum stem length depends on stem diameter refer table "T1"

How to order

Size	Type	Bulb diameter	Length of bulb/stem	Length of capillary	Process connection	Connection size	Connection orientation	Range	Engineering unit	Options
100	GTS	08	125	R	CS2	50N	L	0/100	C	FW

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